

Abstract of the Disclosure

In one embodiment, the present invention relates to methods of reducing weed growth or reducing pests involving applying to plant producing media particulate materials to a depth of at least about 1 cm, wherein the plant  
5 producing media to the depth comprises about 1% by weight or more and about 25% by weight or less of particulate materials. In another embodiment, the present invention relates to methods of reducing weed growth involving applying to plant producing media or unwanted vegetation a film of particulate materials, wherein the film has a thickness of about 1  $\mu$ m or more and about 5 mm or less.

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